



LITHIUM-ION SOLUTIONS



ENERGY SOLUTIONS FOR SCALABLE GROWTH

Lithium batteries and chargers are the optimal solution for the energy efficiency and durability requirements of today's material handling industry. Increase energy yield by 30% compared to lead-acid batteries.

With their robust performance, these forklift batteries ensure extended operational hours and fast recharging to enhance productivity in operations.

- No Battery Swapping
- No Battery Watering
- Increased Sustainability
- Low Operating Cost
- Reduced Charging Time By 70%
- 80% Longer Run Time
- 30% More Energy Yield
- Double Warranty



TW ION TECHNOLOGY



COST SAVINGS



SOLUTIONS FOR GROWTH



TOP TIER WARRANTIES





TAILORED SOLUTIONS FOR YOUR OPERATIONS

Linde's lithium-ion battery and charger system is a cost-effective, high-efficiency energy solution built for today's demanding warehouse operations. With rapid charging, opportunity top-ups, and up to 30% more energy efficiency, it keeps equipment running longer with less downtime.

Backed by Total Warehouse Energy Experts, your business gets a custom-fit charging and electric equipment system tailored to your unique operational needs.

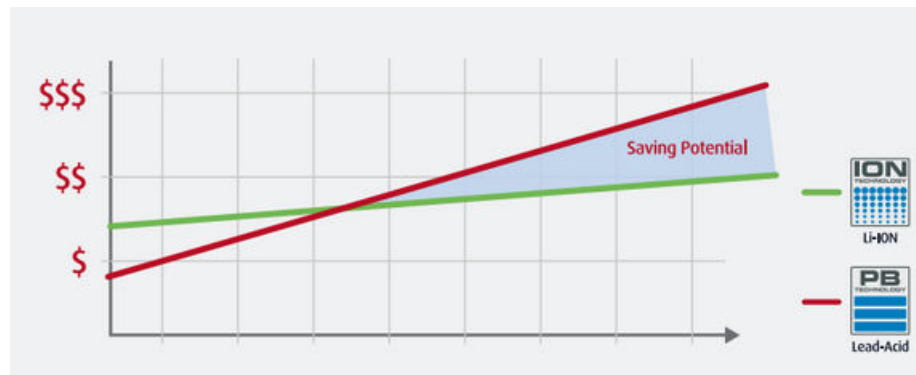
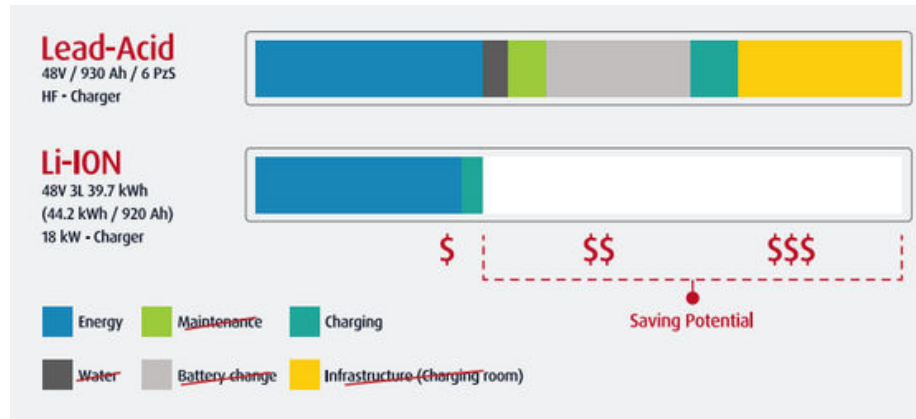


EFFICIENT SAVINGS

CHARGING AHEAD IN SAVINGS

Operating a warehouse involves significant manpower and continually rising costs. To tackle these challenges head-on, Linde steps in with Li-ION batteries.

More than just meeting daily demands, this solution is a powerhouse for the long haul. It's about making a smart switch to an energy system that really carries its weight, effectively and economically.



Long-Term Savings

Li-ION batteries deliver up to 30% greater energy efficiency, cutting costs through reduced maintenance, longer lifespan, and higher truck availability — maximizing fleet productivity and long-term savings.



Reduce Downtime with Flexible Charges

With rapid recharge in under an hour and quick 15-minute top-ups, Li-ION minimizes downtime. Its simple plug-and-play design keeps equipment ready and operations running smoothly.



Lasting Durability, Minimal Maintenance

Built for durability, Li-ION provides up to 2,500 cycles while retaining 75% capacity. Maintenance-free and reliable, it reduces replacements and ensures cost-effective performance.

GREEN PERFORMANCE

LESS WASTE, MORE HASTE

Thriving even in intense 24/7, three-shift operations, Li-ION outpaces other types of batteries, delivering consistent operation and less downtime.

Its extended lifespan—up to 3x longer than traditional batteries—translates to fewer replacements and significant cost savings, effectively blending top performance with eco-friendly efficiency

LINDE LI-ION POWERS YOUR OPERATION LONGER, FOR LESS.

Reduced Carbon Footprint

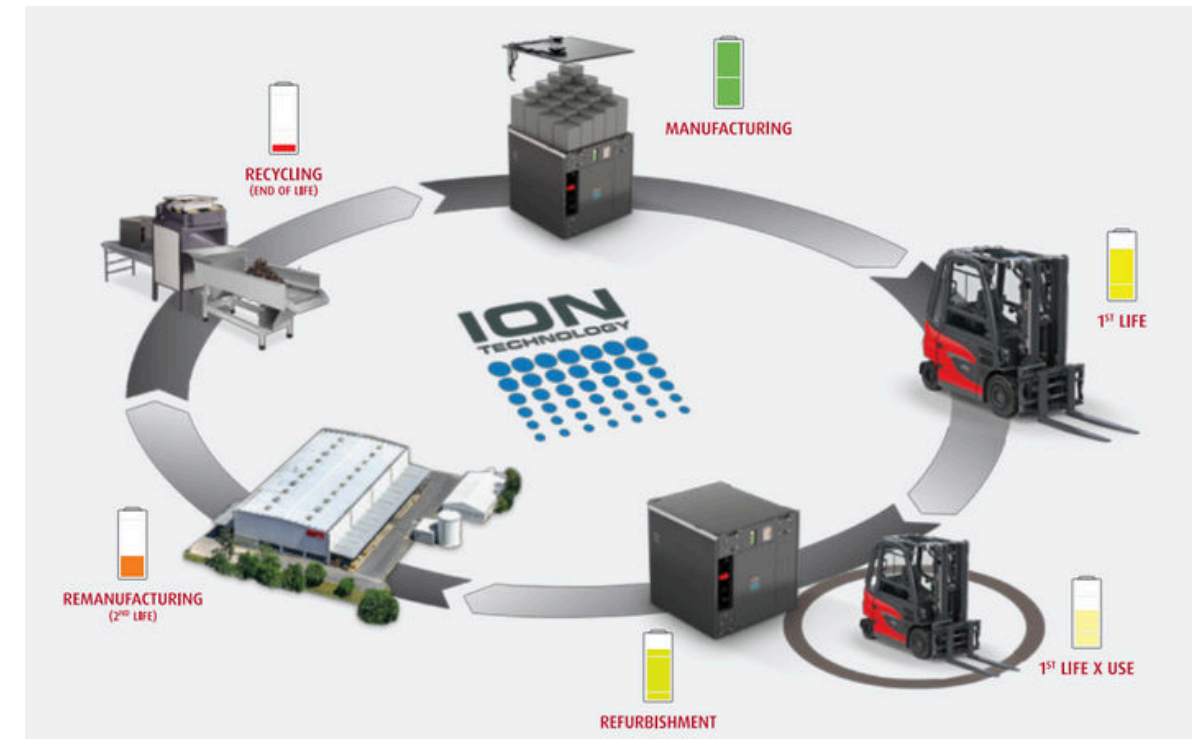
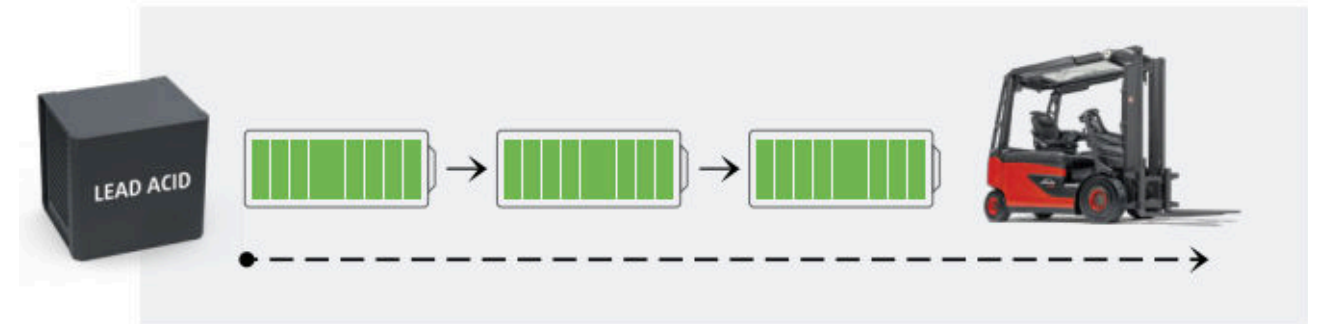
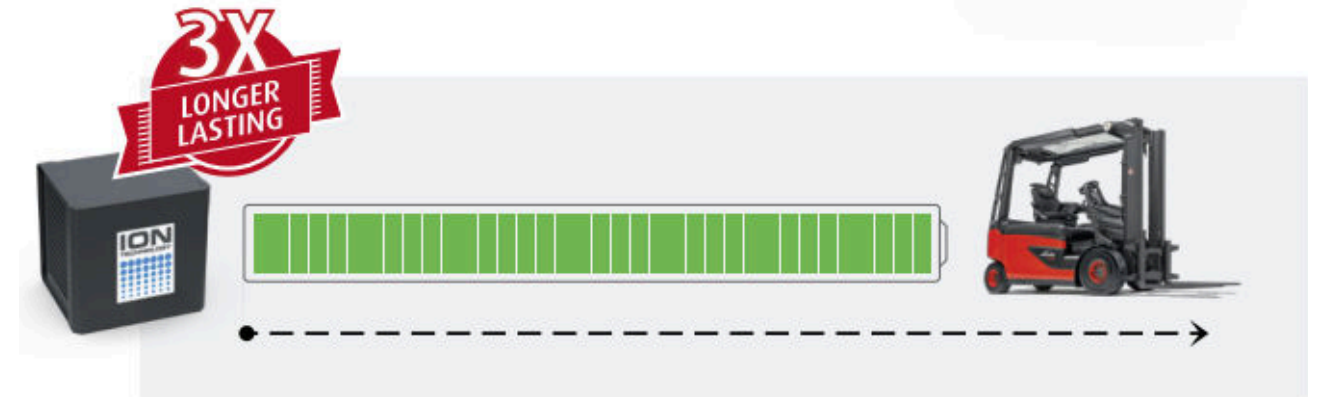
Switching to Li-ION is a key move in the global drive to reduce your operation's carbon footprint. By significantly cutting CO2 emissions, Li-ION technology is not just about operational efficiency—it's about building a cleaner, greener way of working for your whole team.

Comprehensive Recycling Process

Linde's approach to sustainability extends to our comprehensive recycling process. Used Li-ION batteries are meticulously disassembled, with valuable elements like lithium, cobalt, and nickel being reclaimed, demonstrating Linde's pioneering role in responsible battery lifecycle management.

Linde Battery Life Cycle

Switching to Li-ION is a key move in the global drive to reduce your operation's carbon footprint. By significantly cutting CO2 emissions, Li-ION technology is not just about operational efficiency—it's about building a cleaner, greener way of working for your whole team.



SAFETY AND MAINTENANCE

SAFETY IN EVERY CHARGE

Linde batteries, forklift trucks, and chargers are engineered with a comprehensive safety system, ensuring exceptional protection and efficiency at every level, from individual cells to the entire system.

Developed in our state-of-the-art facilities, each product is meticulously designed to protect your people and equipment.

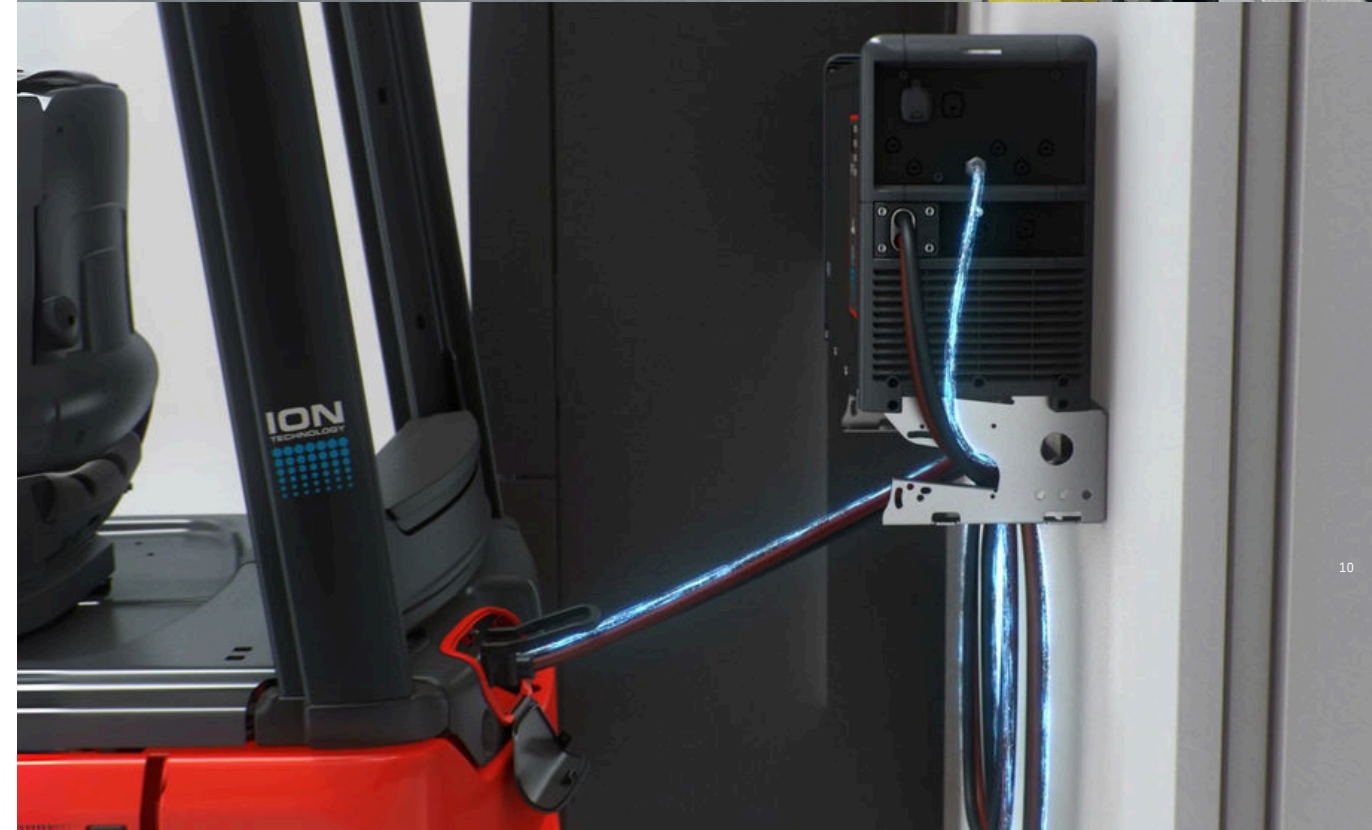
LINDE LI-ION DELIVERS SAFETY AND POWERFUL PERFORMANCE.

Industry Leading Testing

Linde batteries are designed, made, and tested in-house, and undergo extensive stress and crash tests during development. This rigorous process ensures they meet the highest safety standards, including a robust steel housing that withstands extreme conditions and safeguards against accidents and impacts.

Hazard Gas Elimination and Contamination Protection

Linde Li-ION technology eliminates risks associated with hazardous gases produced by lead acid batteries. The closed system design prevents external contamination, enhancing safety and prolonging battery life.



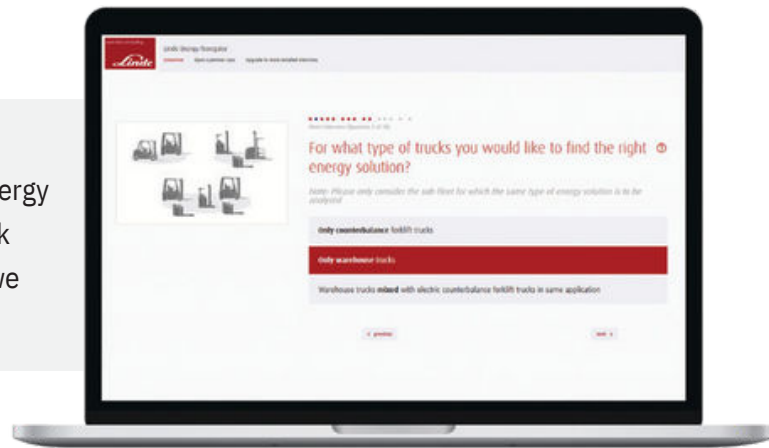
ANALYSIS BEFORE ACTION

FINE TUNING FOR THAT PERFECT FIT

Ramp up the efficiency of your operations with Linde. It's more than consultation—it's the beginning of a bespoke energy solution crafted for your business. We'll start developing a strategy that's not only ready for the real world but also tailored to your specific needs. We quickly understand your situation and initiate a scalable plan that grows with your business.

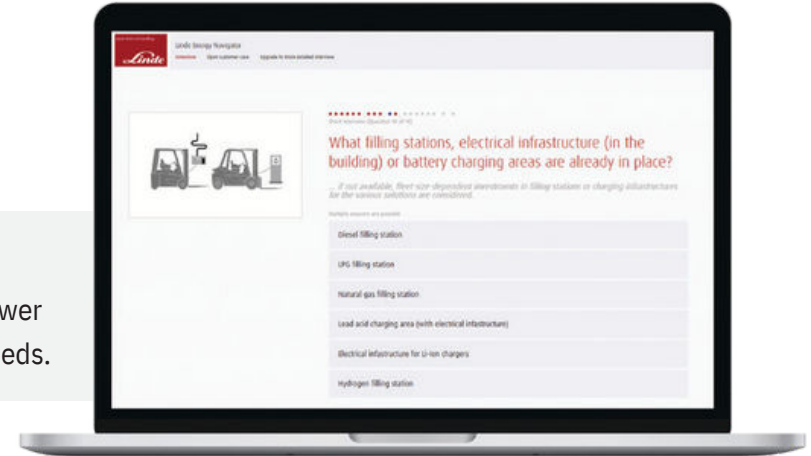
Equipment and Operations

Together, we delve into your equipment's energy dynamics and daily operations. From network infrastructure to environmental conditions, we ensure your operations hum with efficiency.



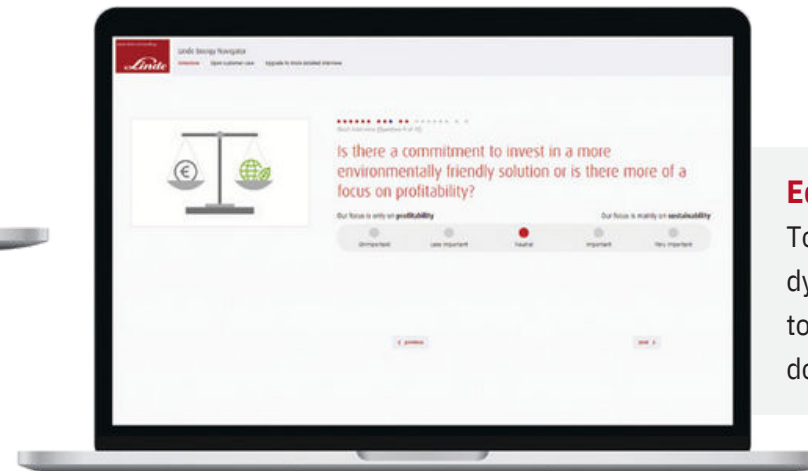
Energy Infrastructure and Environment

We assess your current infrastructure and power demands to truly understand your specific needs.



Equipment and Operations

Together with you, we delve into your equipment's energy dynamics and daily operations. From network infrastructure to environmental conditions, we ensure your operations don't just run; they hum with efficiency.



Support That Stands By You

Together with you, we delve into your equipment's energy dynamics and daily operations. From network infrastructure to environmental conditions, we ensure your operations don't just run; they hum with efficiency.



YOUR ENERGY SOLUTIONS PARTNER TRANSFORM AND MAXIMIZE YOUR OPERATIONS

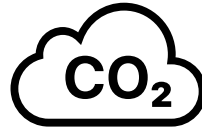
Partnering with **Total Warehouse** for energy solutions helps optimize warehouse performance and efficiency. Our lithium energy systems deliver unmatched durability and cost savings, reducing Total Cost of Ownership (TCO) while supporting sustainability.

We've converted over 10,500 lift trucks from LP to electric, preventing more than 1.4 million tons of CO₂ emissions and saving businesses an estimated \$224 billion in fuel costs.



10,500 +

Propane Trucks Converted to Electric



1.4 Million

Tons of CO₂ Avoided for Sustainability



\$224 Billion

Fuel Savings for Boosted Profits

KEY BENEFITS

- NO Battery Swapping/Watering
- Low Operating Cost
- Increased Sustainability
- **Reduced Charging Time By 70%**
- **0% Longer Run Time**
- **30% More Energy Yield**



ADVANTAGES OF GOING ELECTRIC



Reduce fuel costs by up to **75%**.

Typical ROI is less than **2 years**.

Perform maintenance with **60% fewer parts**.

Reduce annual GHG emissions by up to **11 metric tons** per propane conversion or **6 metric tons** per diesel conversion.



CLASS 1

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CLASS 2 & 3

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